ASSIGNMENT OF RIGHTS from The University of Massachusetts to Charles A. Vacauti, Martin P. Vacauti, and Joseph Vacanti

Appendix A

UMMC 95-03: Antibiotic Suture Material

Inventor: Charles Vacanti

No applications filed

UMMC 95-21: Cartilage/Tissue Paint

Inventor: Charles Vacanti

U.S. Patent Application 08/747,036 Issued: U.S. Patent 5,944,754

PCT Patent Application PCT/US96/18166 European Patent Application 96941344.2

UMMC 96-14: Tubular, Ductile or Vascular Anastomosis Compression Cylinders

Inventor: Charles Vacanti No applications filed

UMMC 96-19: Guided Development and Support of Hydrogel-Cell Compositions

Inventors: Charles Vacanti and Joseph Vacanti

U.S. Patent Application 09/066,038 Issued: U.S. Patent 6,027,744

UMMC 99-01: The Generation of Engineered Tissue in a Bioreactor for

Transplantation

Inventors: Charles Vacanti and Joseph Vacanti

No applications filed

UMMC 99-07: Spinal Cord Repair

Inventors: Charles Vacanti, Joseph Vacanti, and Martin Vacanti

U.S. Continuation-in-part Patent Application 09/200,033

Issued: U.S. Patent 6,171,610 B1

U.S. Continuation-in-part Patent Application 09/066,038

U.S. Continuation Patent Application 09/658,912

PCT Patent Application PCT/US99/08471

European National Phase Patent Application 9921398.6

UMMC 99-37: Skin Progenitor Cells

Inventors: Charles Vacanti and Martin Vacanti

U.S. Patent Application 09/475,611

ASSIGNMENT OF RIGHTS from
The University of Massackusetts to
Charles A. Vacanti, Martin P. Vacanti, and Joseph Vacanti

UMMC 99-38: Retina Progenitor Cells

Inventors: Charles Vacanti and Martin Vacanti

U.S. Patent Application 09/475,369

UMMC 99-47: Spore-Like Cells

Inventors: Charles Vacanti and Martin Vacanti

U.S. Patent Application 09/476,047

PCT Patent Application PCT/US00/35606

UMMC 00-09: Pancreas Progenitor Cells

Inventors: Charles Vacanti and Martin Vacanti

U.S. Patent Application 09/476,394

UMMC 00-29: Spore-Like Cells from Frozen Tissue

Inventors: Charles Vacanti and Martin Vacanti

U.S. Patent Application 10/020,778

UMMC 00-30: The Procurement and Use of Spore-like Cells Derived from all Body

Tissues for Use in Allogenic and Xenogeneic Cell Therapy to Include

Tissue Engineering and Gene Therapy

Inventors: Charles Vacanti and Martin Vacanti

No applications filed

UMMC 00-38: The use of spore like cells in vitro to generate therapeutic agents and

test efficacy and toxicology of various endogenous agents

Inventors: Charles Vacanti and Martin Vacanti

No applications filed

UMMC 02-31: A biologic field dressing to generate new tissue

Inventors: Charles Vacanti and Martin Vacanti

No applications filed

UMMC 02-32: In vitro generation of biological scaffolding material using the spore-

<u>like cell</u>

Inventors: Charles Vacanti and Martin Vacanti

U.S. Patent Application 60/419,682

UMMC 03-07: A novel expansion method of chondrocytes using decanting methods

including small (spore-like) cells

Inventor: Martin Vacanti

No applications filed

ASSIGNMENT OF RIGHTS from
The University of Massachusetts to
Charles A. Vacautt, Martin P. Vacanti, and Joseph Vacanti

UMMC 03-22: The generation of insulin producing islets from unprepared frozen

blood and bone marrow

Inventors: Charles Vacanti and Martin Vacanti

No applications filed

UMMC 03-27: The use of unprepared frozen blood to generate spore-like cells/

dynamic matrix for reconstitution of the bone marrow

Inventors: Charles Vacanti and Martin Vacanti

No applications filed

UMMC 03-35: The use of the spore-like cell and dynamic matrix for gene based

therapies

Inventors: Charles Vacanti and Martin Vacanti

No applications filed

UMMC 03-44: The procurement and use of spore-like cells derived from previously

unprepared frozen tissue for cloning extinct animal species

Inventors: Charles Vacanti and Martin Vacanti

No applications filed

UMMC 03-45: The use of tumor derived spore-like cells to derive a vaccine for

treatment

Inventors: Charles Vacanti and Martin Vacanti

No applications filed

UMMC 03-46: The use of spore-like cells suspended in hydrogel to treat congestive

<u>heart failure</u>

Inventors: Charles Vacanti and Martin Vacanti

No applications filed

UMMC 03-57: The inhibition of tumor growth by freshly synthesized cartilage

matrix products using hydrogel-tissue engineering techniques

Inventors: Charles Vacanti and Martin Vacanti

No applications filed

UMMC 03-62: Reversal of degenerative diseases (aging) by systemic administration

of spore-like cells in combination with systemic removal of

degradation products

Inventors: Charles Vacanti and Martin Vacanti

No applications filed

ASSIGNMENT OF RIGHTS from The University of Massachusetts to Charles A. Vacanti, Martin P. Vacanti, and Joseph Vacanti

The use of spore-like cells to repair the damaged DNA of tumor cells **UMMC 03-72:**

Inventors: Charles Vacanti and Martin Vacanti

No applications filed.

UMMC 03-88: Reversal of degenerative diseases (aging) by systemic administration

of spore-like cells in combination with systemic removal of

degradation products

Inventors: Charles Vacanti and Martin Vacanti

No applications filed